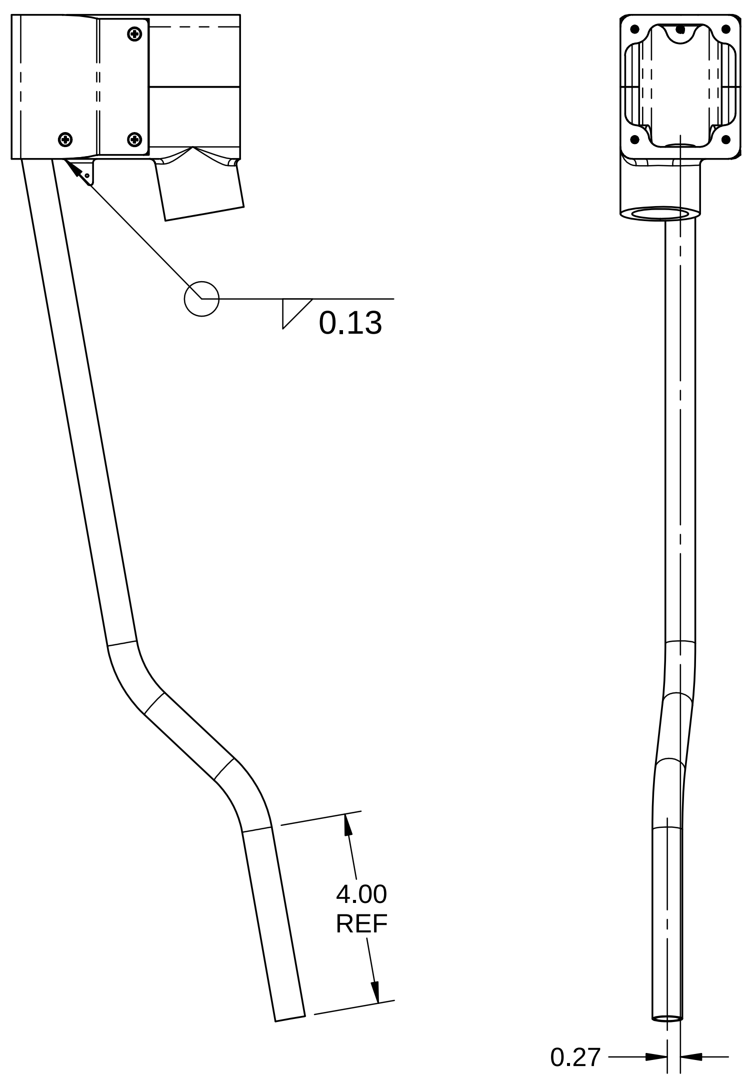
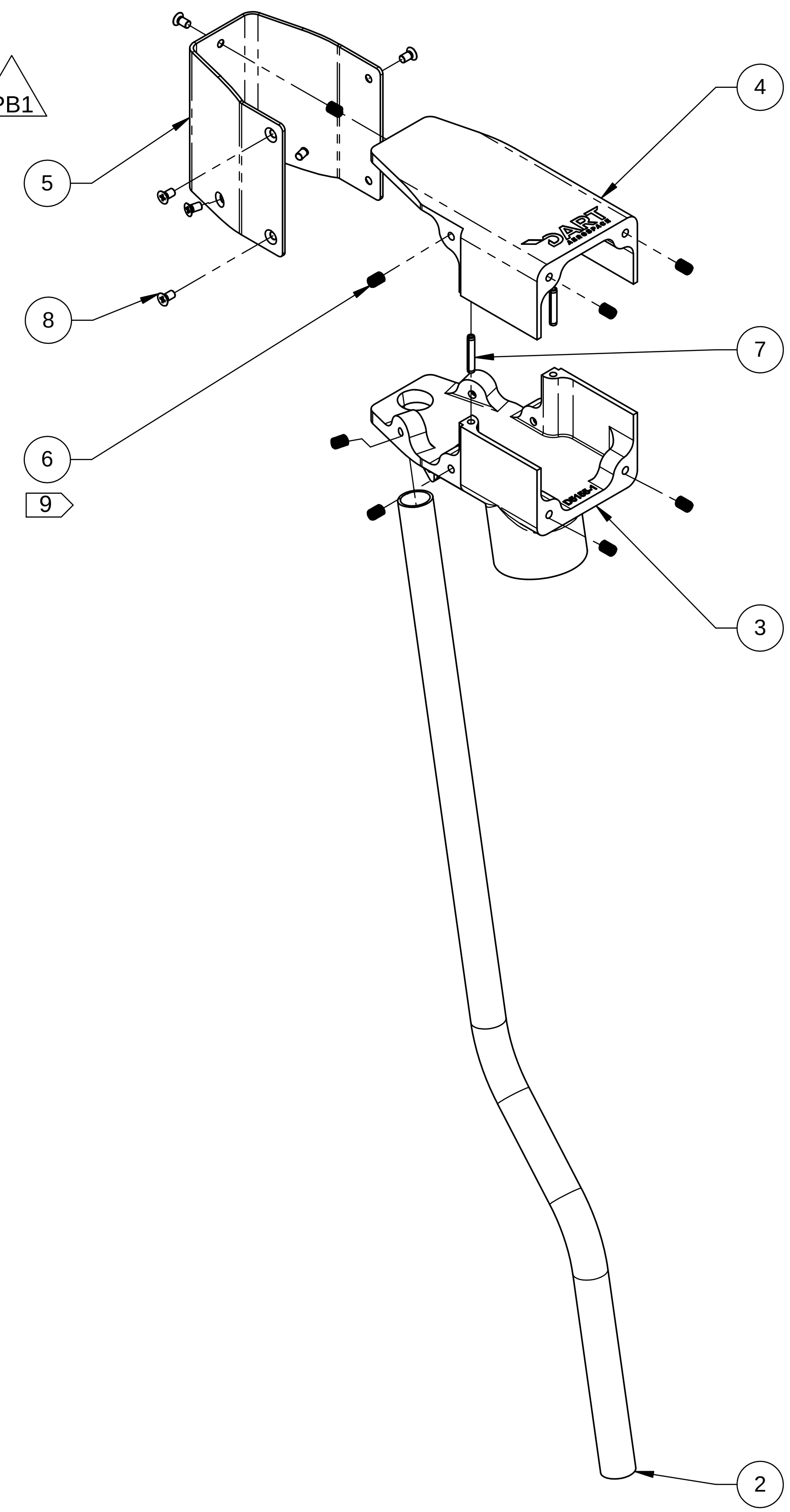
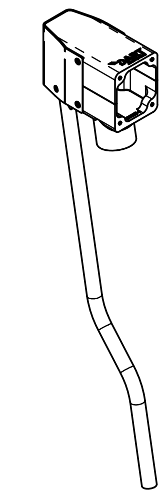
ITEM	QTY -041	P/N	DESCRIPTION
1	**X**	**D5155-041**	**CO-PILOT COLLECTIVE HEAD ASSEMBLY (205)**
2	1	D4410-7	CONDUIT
3	1	D5155-1	CO-PILOT COLLECTIVE HEAD (205)
4	1	D5155-9	CO-PILOT COLLECTIVE HEAD (205)
5	1	D5156-9	BACK PLATE
6	11	90296A108	HELI-COIL INSERT (6-32 X 0.276)
7	2	MS16562-223	SLOTTED SPRING PIN
8	7	MS24693-24B	SCREW, CSK 100˚

PB1



D5155-041 WELDING DETAIL





NOTES:
1) MATERIAL: N/A
2) FINISH: ANODIZE BLACK PER MIL-A-8625F TYPE I OR IB OR IC OR II
OR IIB CLASS 2 AFTER WELDING
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
7) WEIGHT: 1.08 lbs
8) WELD PER DART QSI 004
9) INSTALL AFTER ANODIZING

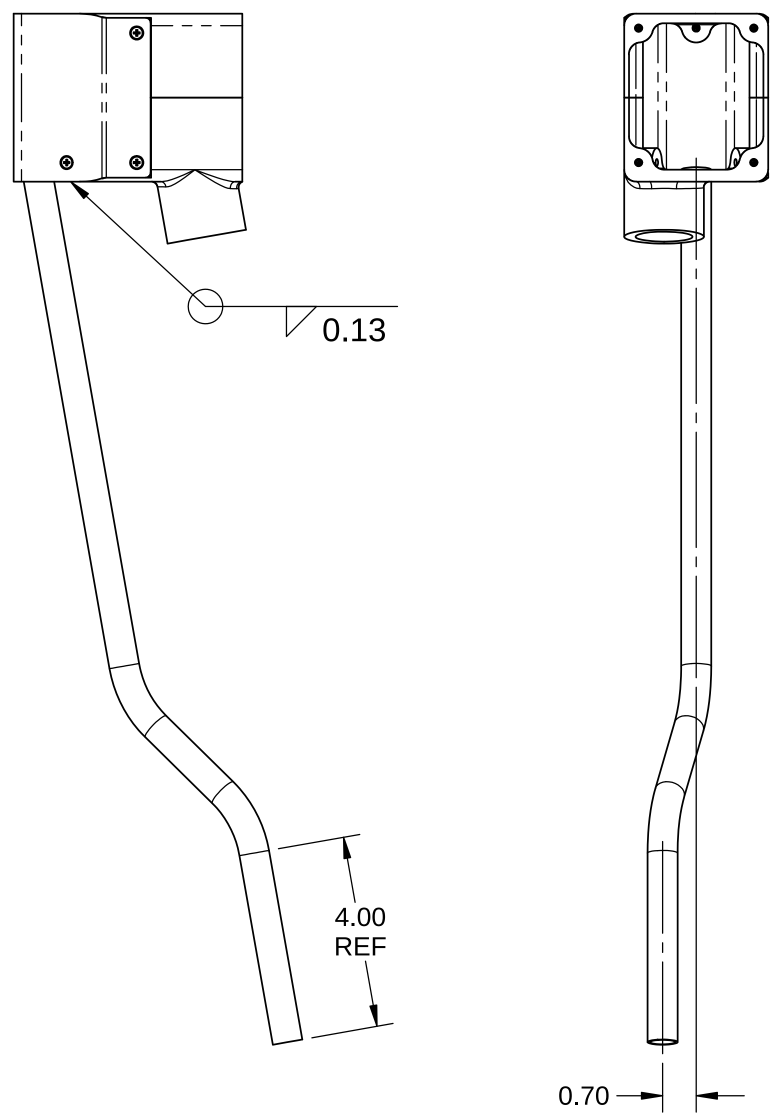
D5155-041 CO-PILOT COLLECTIVE HEAD ASSEMBLY (205)

UNAPPROVED

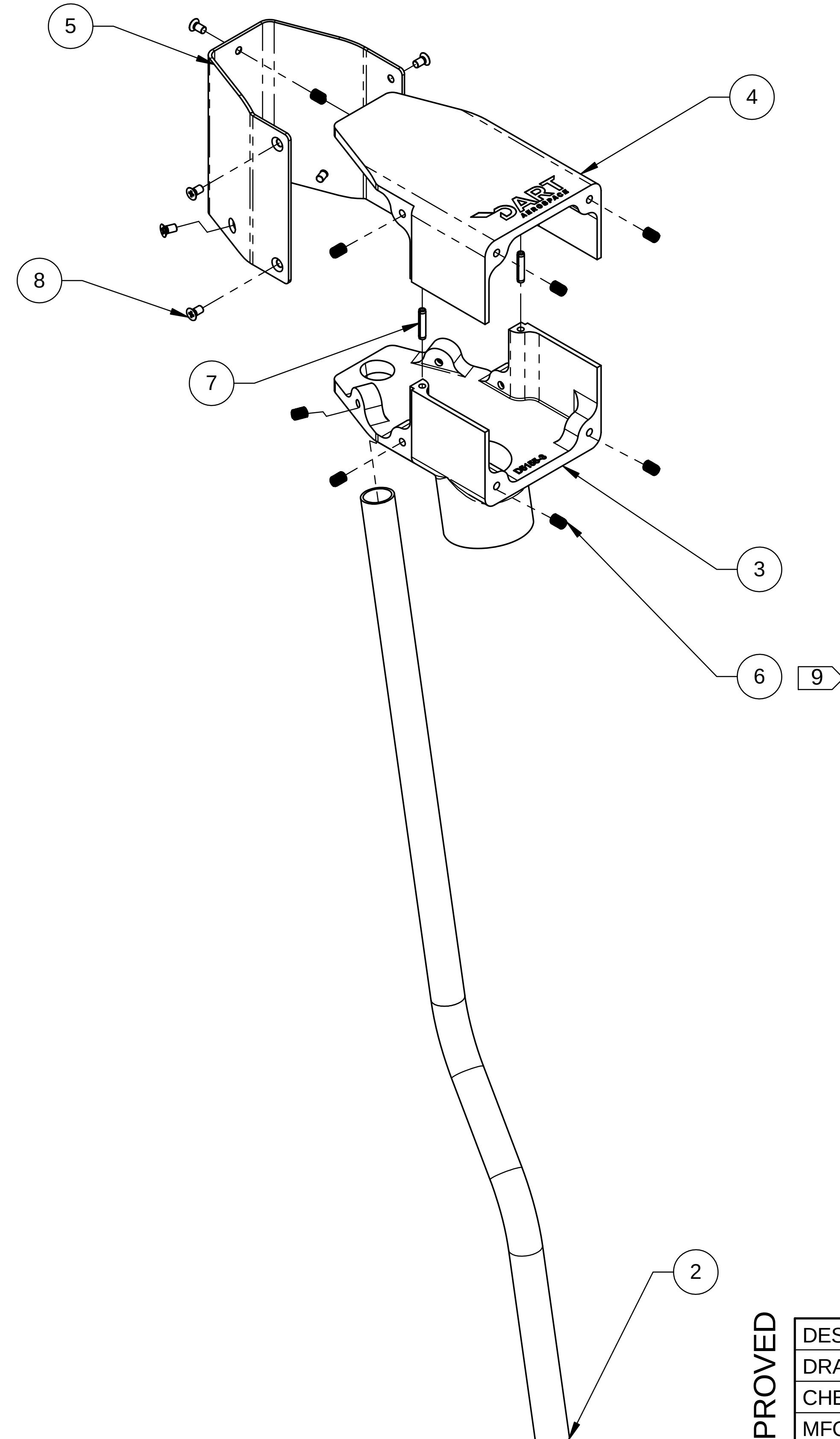
REV.	DESCRIPTION	BY	DATE
PB1	REVISE DIM; ZN D3-7, REVISE NOTE 2; ZN A8-13, A8-14, REVISE LENTH OF PIN ;ZN D6-1, D6-2, D5-3, D6-4, REVISE DEPTH; ZN C7-5, C7-7, C7-9, C7-11, C5-13, C4-14	VS	15.05.21
A	NEW ISSUE	VS	14.09.10

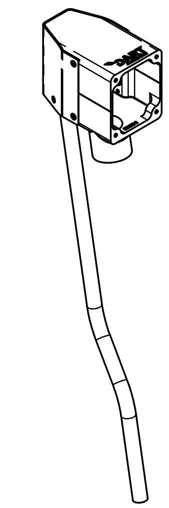
DESIGN	VS	**DART AEROSPACE LTD** HAWKESBURY, ONTARIO, CANADA
DRAWN	VS	
CHECKED	RF	DRAWING NO. D5155 — REV. PB1 — SHEET 1 OF 14
MFG. APPR.	JFS	
APPROVED	HS	TITLE CO-PILOT COLLECTIVE HEAD — SCALE NTS
DE APPR.	DS	
DATE	15.05.21	

ITEM	QTY -043	P/N	DESCRIPTION
1	**X**	**D5155-043**	**CO-PILOT COLLECTIVE HEAD ASSEMBLY (212)**
2	1	D4410-7	CONDUIT
3	1	D5155-3	CO-PILOT COLLECTIVE HEAD (212)
4	1	D5155-11	CO-PILOT COLLECTIVE HEAD (212)
5	1	D5156-11	BACK PLATE
6	11	90296A108	HELI-COIL INSERT (6-32 X 0.276)
7	2	MS16562-223	SLOTTED SPRING PIN PB1
8	7	MS24693-24B	SCREW, CSK 100°



D5155-043 WELDING DETAIL





NOTES:
1) MATERIAL: N/A
2) FINISH: ANODIZE BLACK PER MIL-A-8625F TYPE I OR IB OR IC OR II OR IIB CLASS 2 AFTER WELDING
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
7) WEIGHT: 1.20 lbs
8) WELD PER DART QSI 004
9) INSTALL AFTER ANODIZING

D5155-043 CO-PILOT COLLECTIVE HEAD ASSY (212)

UNAPPROVED

DESIGN	VS
DRAWN	VS
CHECKED	RF
MFG. APPR.	JFS
APPROVED	HS
DE APPR.	DS
DATE	15.05.21

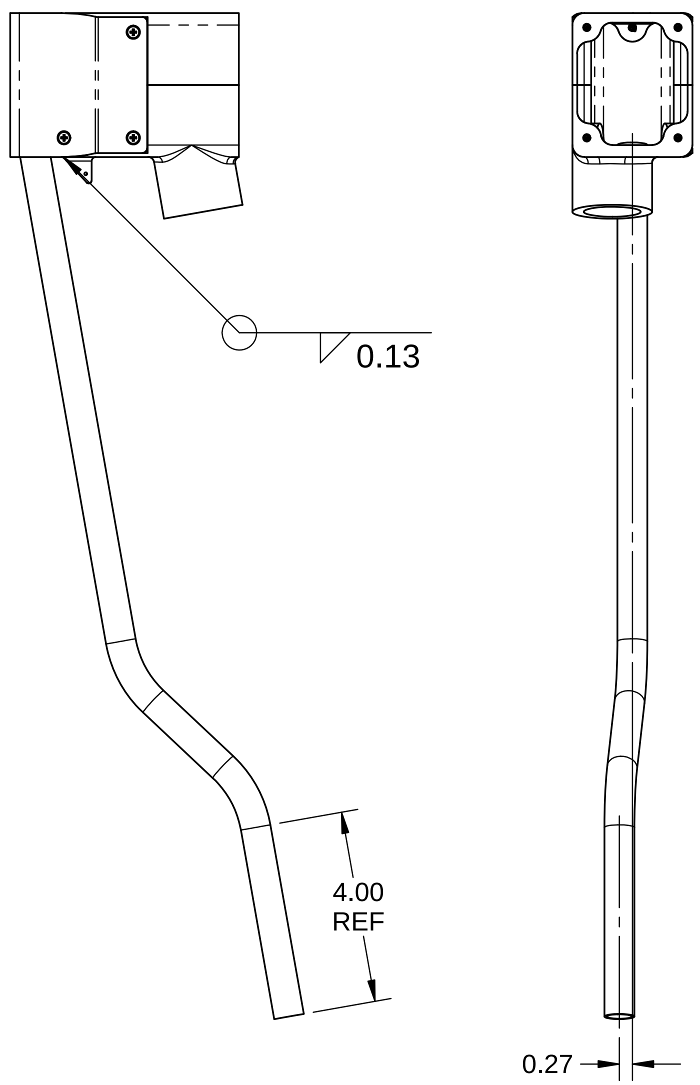
DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. D5155 REV. PB1
SHEET 2 OF 14

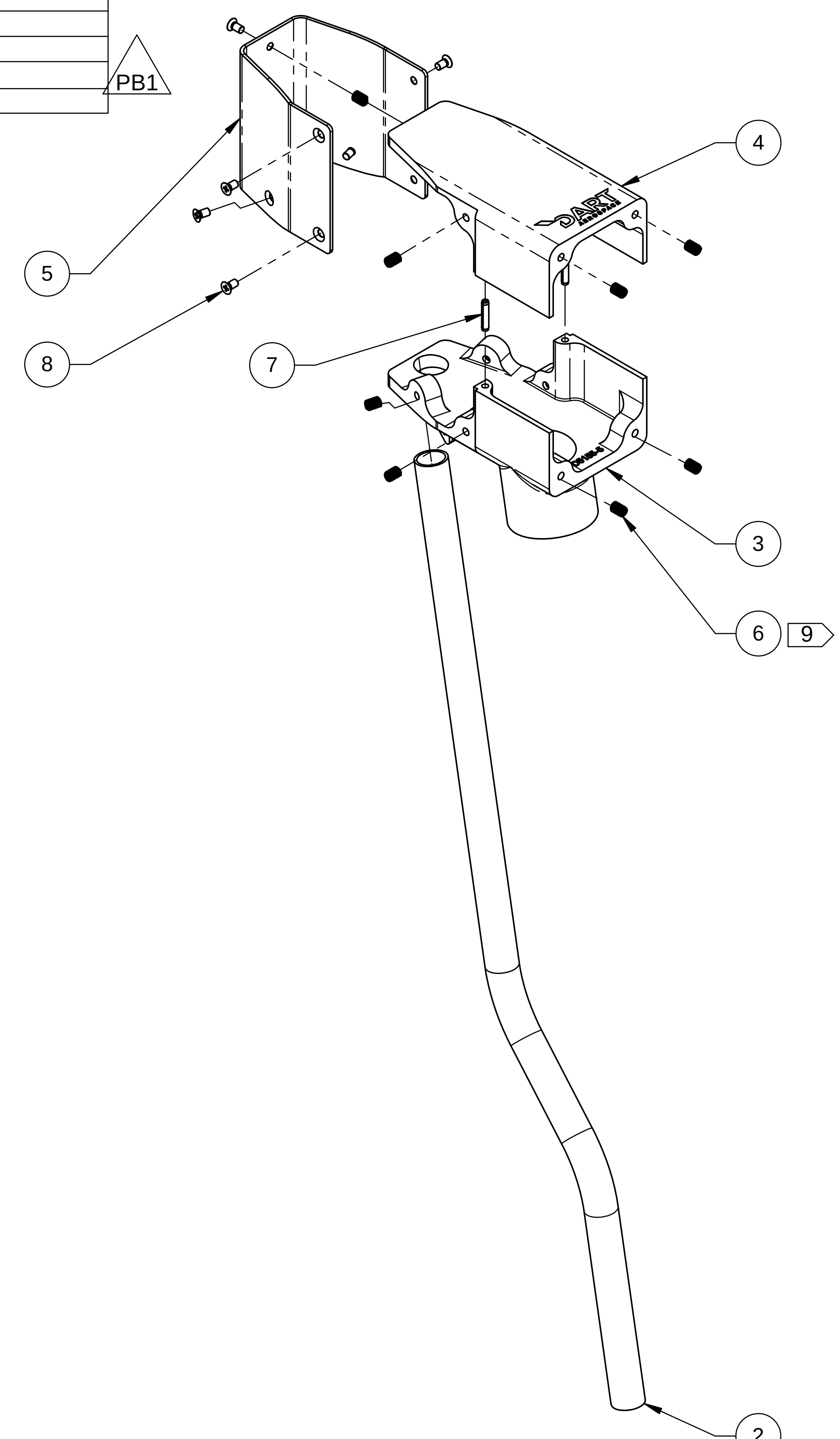
TITLE CO-PILOT COLLECTIVE HEAD SCALE NTS

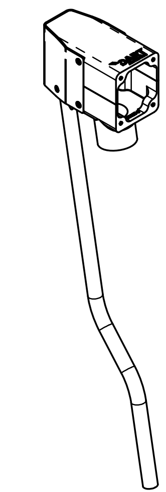
ITEM	QTY -045	P/N	DESCRIPTION
1	**X**	**D5155-045**	**CO-PILOT COLLECTIVE HEAD ASSEMBLY (EAGLE SINGLE)**
2	1	D4410-7	CONDUIT
3	1	D5155-5	CO-PILOT COLLECTIVE HEAD (EAGLE SINGLE)
4	1	D5155-9	CO-PILOT COLLECTIVE HEAD (205)
5	1	D5156-9	BACK PLATE
6	11	90296A108	HELI-COIL INSERT (6-32 X 0.276)
7	2	MS16562-223	SLOTTED SPRING PIN
8	7	MS24693-24B	SCREW, CSK 100˚

PB1



D5155-045 WELDING DETAIL





NOTES:
1) MATERIAL: N/A
2) FINISH: ANODIZE BLACK PER MIL-A-8625F TYPE I OR IB OR IC OR II OR IIB CLASS 2 AFTER WELDING
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
7) WEIGHT: 1.06 lbs
8) WELD PER DART QSI 004
9) INSTALL AFTER ANODIZING

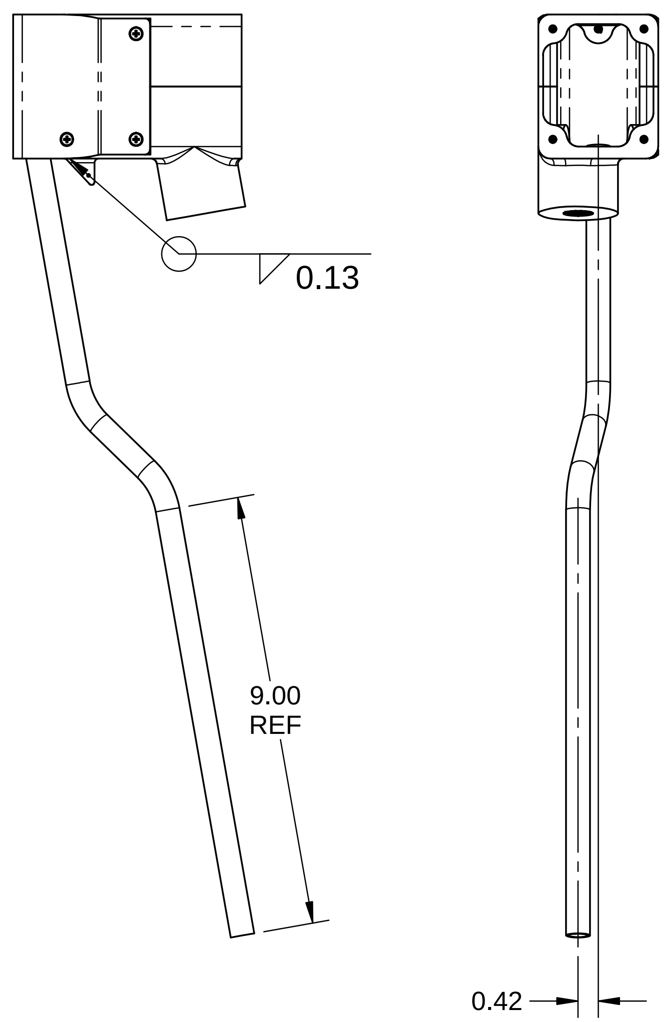
D5155-045 CO-PILOT COLLECTIVE HEAD ASSY (EAGLE SINGLE)

UNAPPROVED

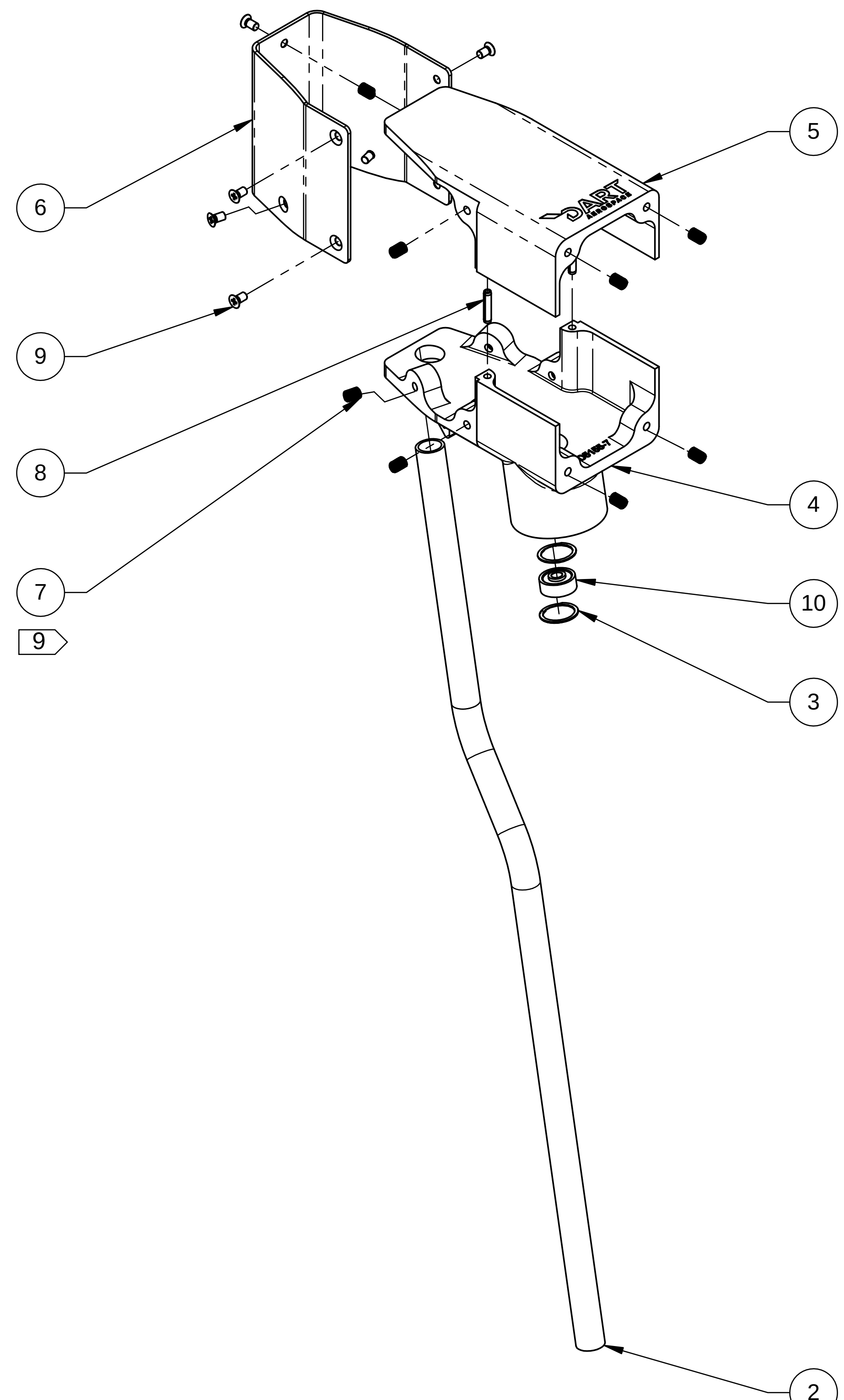
DESIGN	VS	**DART AEROSPACE LTD** HAWKESBURY, ONTARIO, CANADA
DRAWN	VS	
CHECKED	RF	DRAWING NO. D5155 REV. PB1
MFG. APPR.	JFS	SHEET 3 OF 14
APPROVED	HS	TITLE SCALE
DE APPR.	DS	CO-PILOT COLLECTIVE HEAD NTS
DATE	15.05.21	

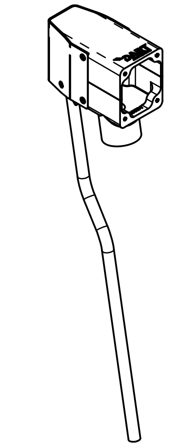
ITEM	QTY -047	P/N	DESCRIPTION
1	**X**	**D5155-047**	**CO-PILOT COLLECTIVE HEAD ASSEMBLY**
2	1	D5054-1	CONDUIT
3	2	D5073-1	SNAP RING
4	1	D5155-7	CO-PILOT COLLECTIVE HEAD (205)
5	1	D5155-9	CO-PILOT COLLECTIVE HEAD (205)
6	1	D5156-9	BACK PLATE
7	11	90296A108	HELI-COIL INSERT (6-32 X 0.276)
8	2	MS16562-223	SLOTTED SPRING PIN
9	7	MS24693-24B	SCREW, CSK 100°
10	1	MS27641-3	BEARING

PB1



D5155-047 WELDING DETAIL



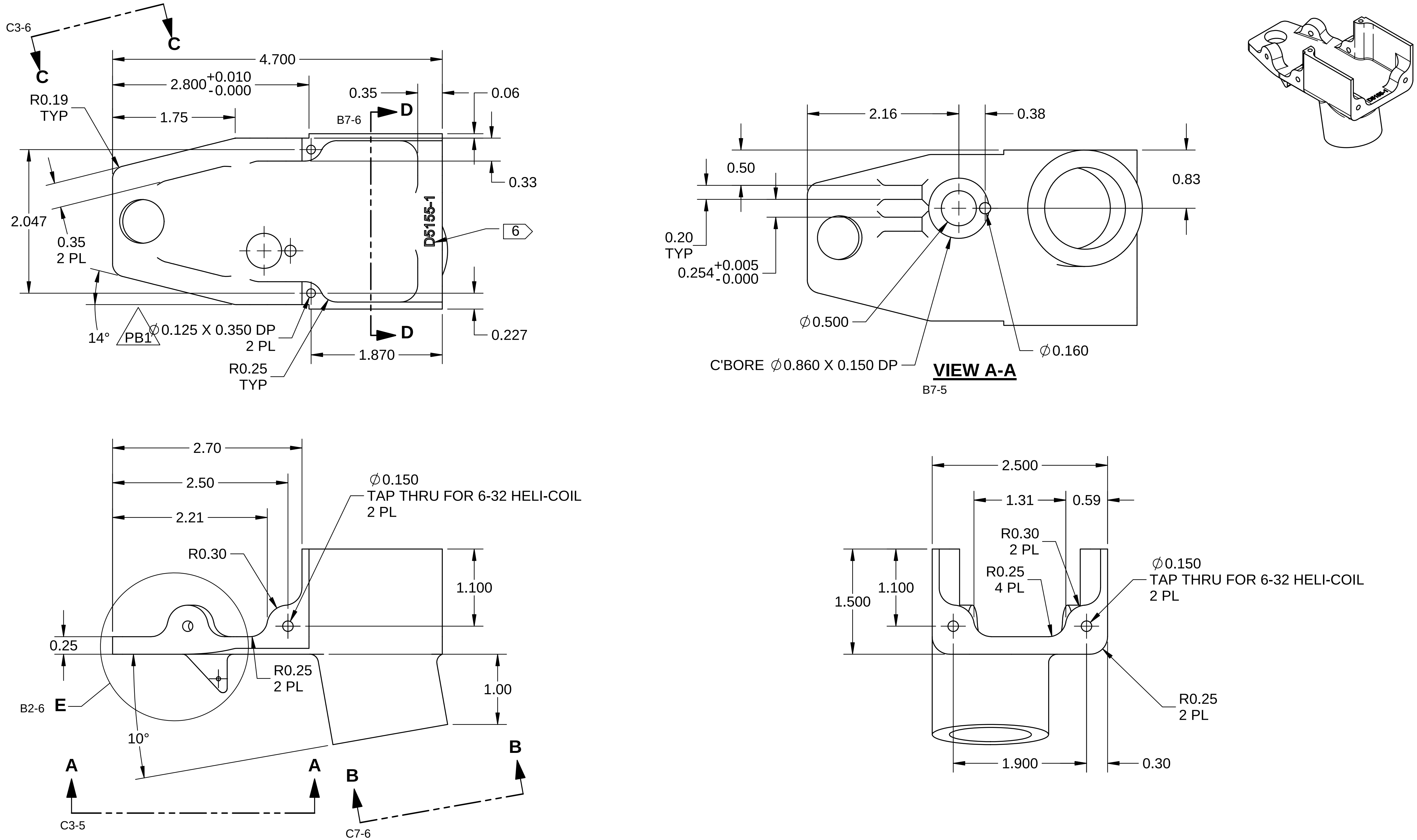


NOTES:
1) MATERIAL: N/A
2) FINISH: ANODIZE BLACK PER MIL-A-8625F TYPE I OR IB OR IC OR II
OR IIB CLASS 2 AFTER WELDING
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
7) WEIGHT: 1.14 lbs
8) WELD PER DART QSI 004
9) INSTALL AFTER ANODIZING

D5155-047 CO-PILOT COLLECTIVE HEAD ASSY
FOR 205 WITH 204-001-290-5 STICK AND THROTTLE ASSEMBLY INSTALLED

UNAPPROVED

DESIGN	VS	**DART AEROSPACE LTD** HAWKESBURY, ONTARIO, CANADA
DRAWN	VS	
CHECKED	RF	DRAWING NO. D5155 — REV. PB1 — SHEET 4 OF 14
MFG. APPR.	JFS	
APPROVED	HS	TITLE CO-PILOT COLLECTIVE HEAD — SCALE NTS
DE APPR.	DS	
DATE	15.05.21	

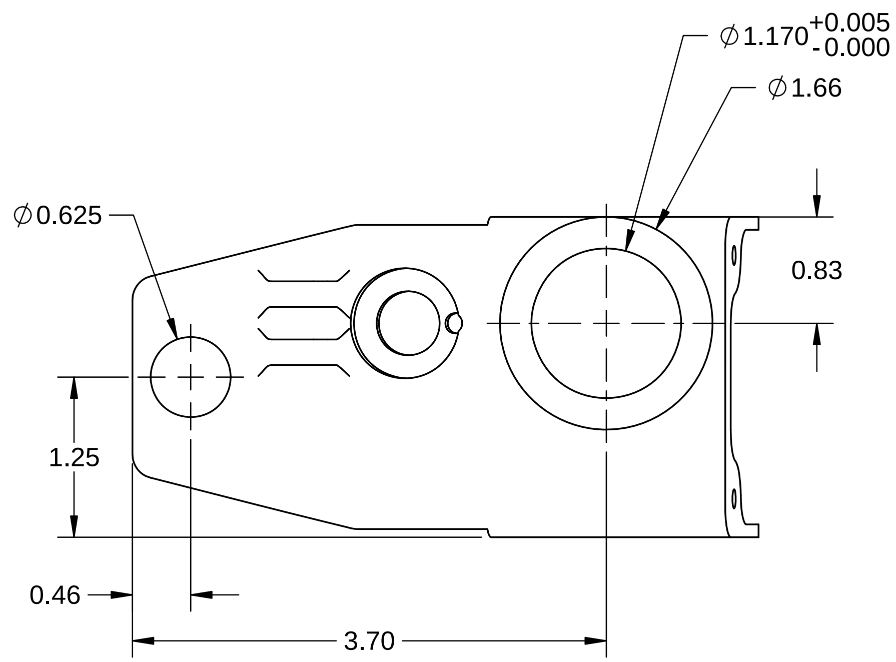


NOTES:
1) MATERIAL: 6061-T6/T651/T6511/T62 ALUMINUM BAR
PER QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221
REF DART SPEC M6061T6B
2) FINISH: NONE
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY PER QSI 044 6.3 IN THIS AREA TO MAX DEPTH
OF 0.010 WITH A MIN. TOOL RAD OF R0.010
7) WEIGHT: 0.47 lbs
8) UNDEMENSIONED FEATURES ARE DEFINED BY D5155-1.SLDPRT

D5155-1 CO-PILOT COLLECTIVE HEAD (205)

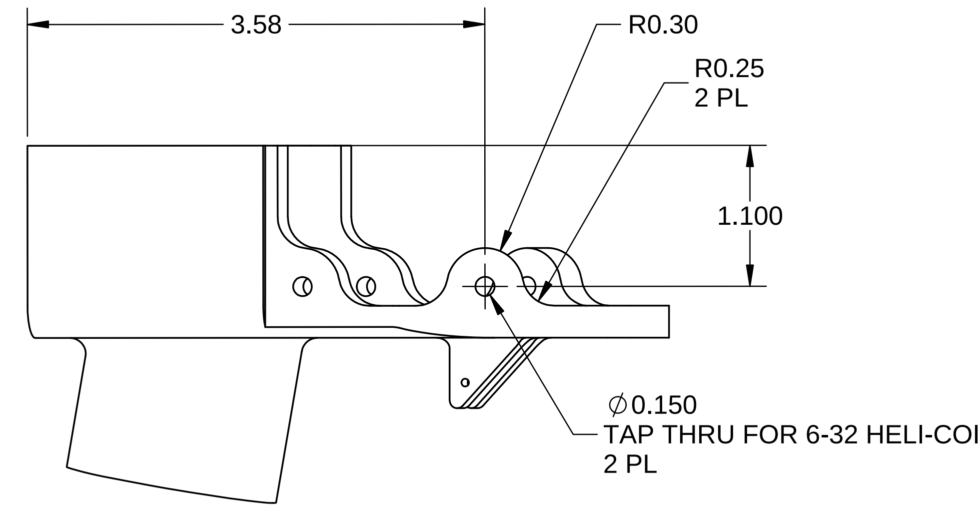
UNAPPROVED

DESIGN	VS	**DART AEROSPACE LTD** HAWKESBURY, ONTARIO, CANADA
DRAWN	VS	
CHECKED	RF	DRAWING NO. D5155 — REV. PB1 — SHEET 5 OF 14
MFG. APPR.	JFS	
APPROVED	HS	TITLE — SCALE
DE APPR.	DS	CO-PILOT COLLECTIVE HEAD — NTS
DATE	15.05.21	



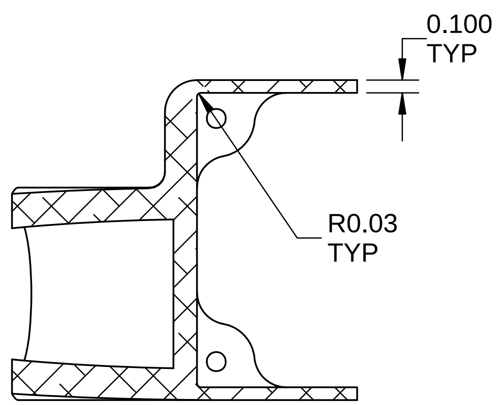
VIEW B-B

B5-5



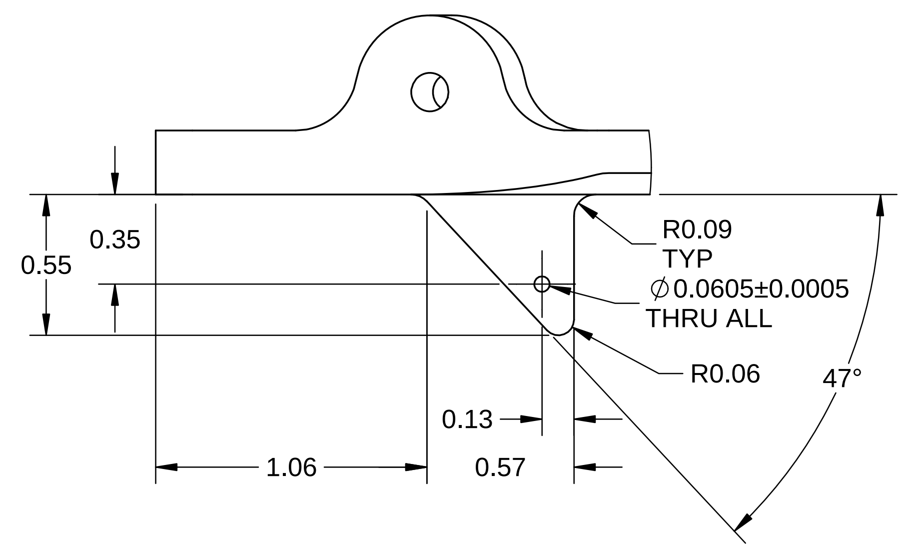
VIEW C-C

D7-5



SECTION D-D

D6-5



DETAIL E

B7-5

NOTES:
1) MATERIAL: N/A
2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: N/A
7) WEIGHT: N/A

D5155-1 CO-PILOT COLLECTIVE HEAD (205)
DETAIL VIEWS

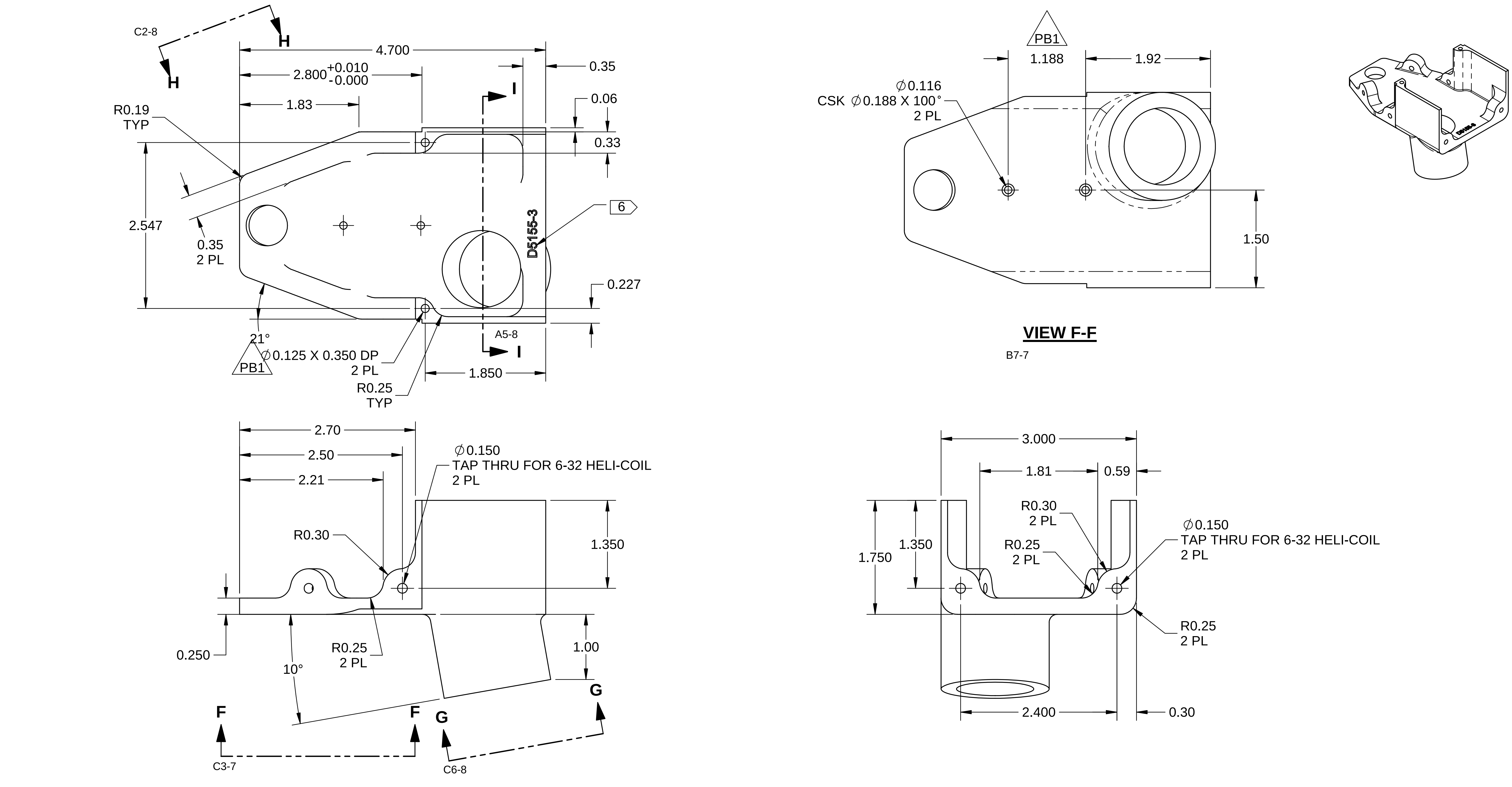
UNAPPROVED

DESIGN	VS
DRAWN	VS
CHECKED	RF
MFG. APPR.	JFS
APPROVED	HS
DE APPR.	DS
DATE	15.05.21

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. D5155 REV. PB1
SHEET 6 OF 14

TITLE CO-PILOT COLLECTIVE HEAD
SCALE NTS



NOTES:
1) MATERIAL: 6061-T6/T651/T6511/T62 ALUMINUM BAR
PER QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221
REF DART SPEC M6061T6B
2) FINISH: NONE
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY PER QSI 044 6.3 IN THIS AREA TO MAX DEPTH OF 0.010 WITH A MIN. TOOL RAD OF R0.010
7) WEIGHT: 0.51 lbs
8) UNDIMENSIONED FEATURES DEFINED BY D5155-3.SLDPRT

D5155-3 CO-PILOT COLLECTIVE HEAD (212)

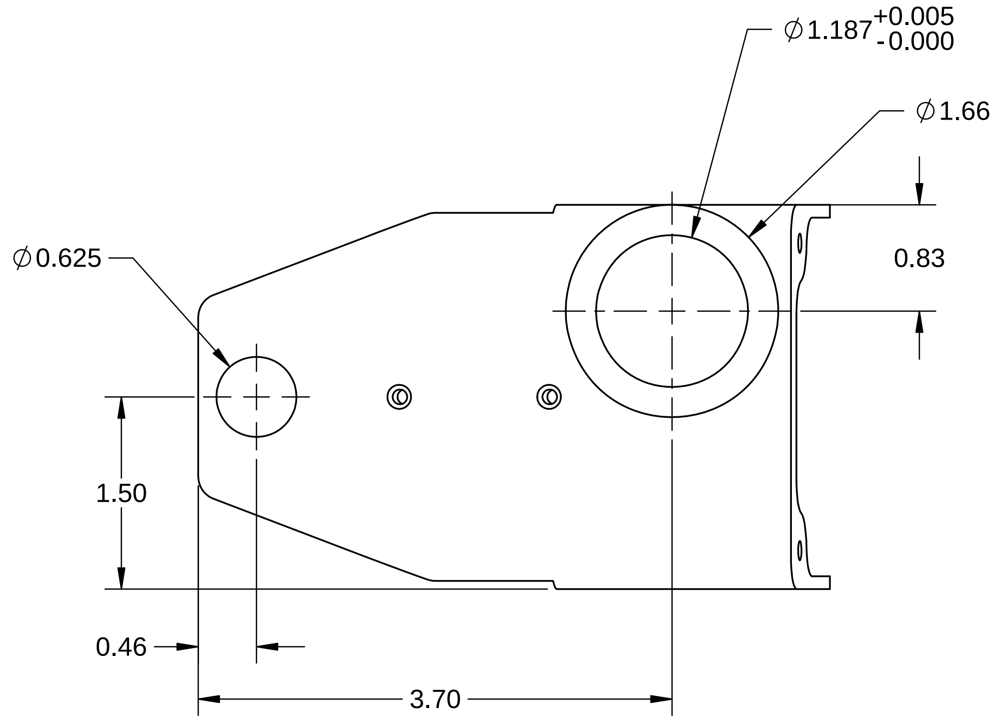
UNAPPROVED

DESIGN	VS
DRAWN	VS
CHECKED	RF
MFG. APPR.	JFS
APPROVED	HS
DE APPR.	DS
DATE	15.05.21

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

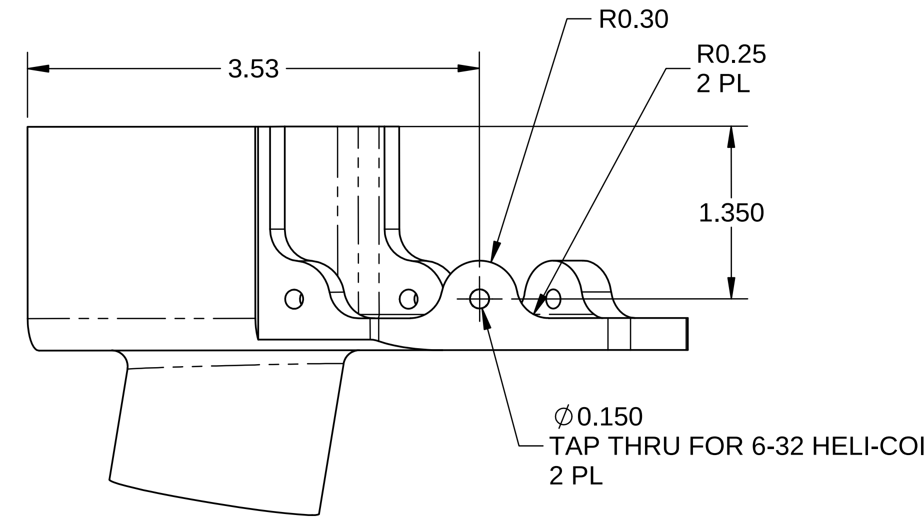
DRAWING NO. D5155 — REV. PB1 — SHEET 7 OF 14

TITLE: CO-PILOT COLLECTIVE HEAD — SCALE: NTS



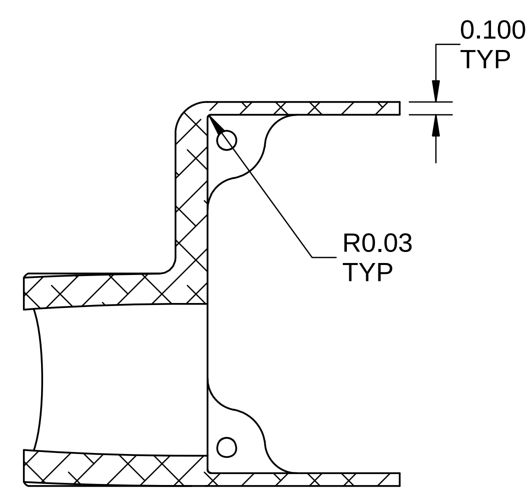
VIEW G-G

B6-7



VIEW H-H

D7-7



SECTION I-I

D6-7

NOTES:
1) MATERIAL: N/A
2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: N/A
7) WEIGHT: N/A

D5155-3 CO-PILOT COLLECTIVE HEAD (212)
DETAIL VIEWS

UNAPPROVED

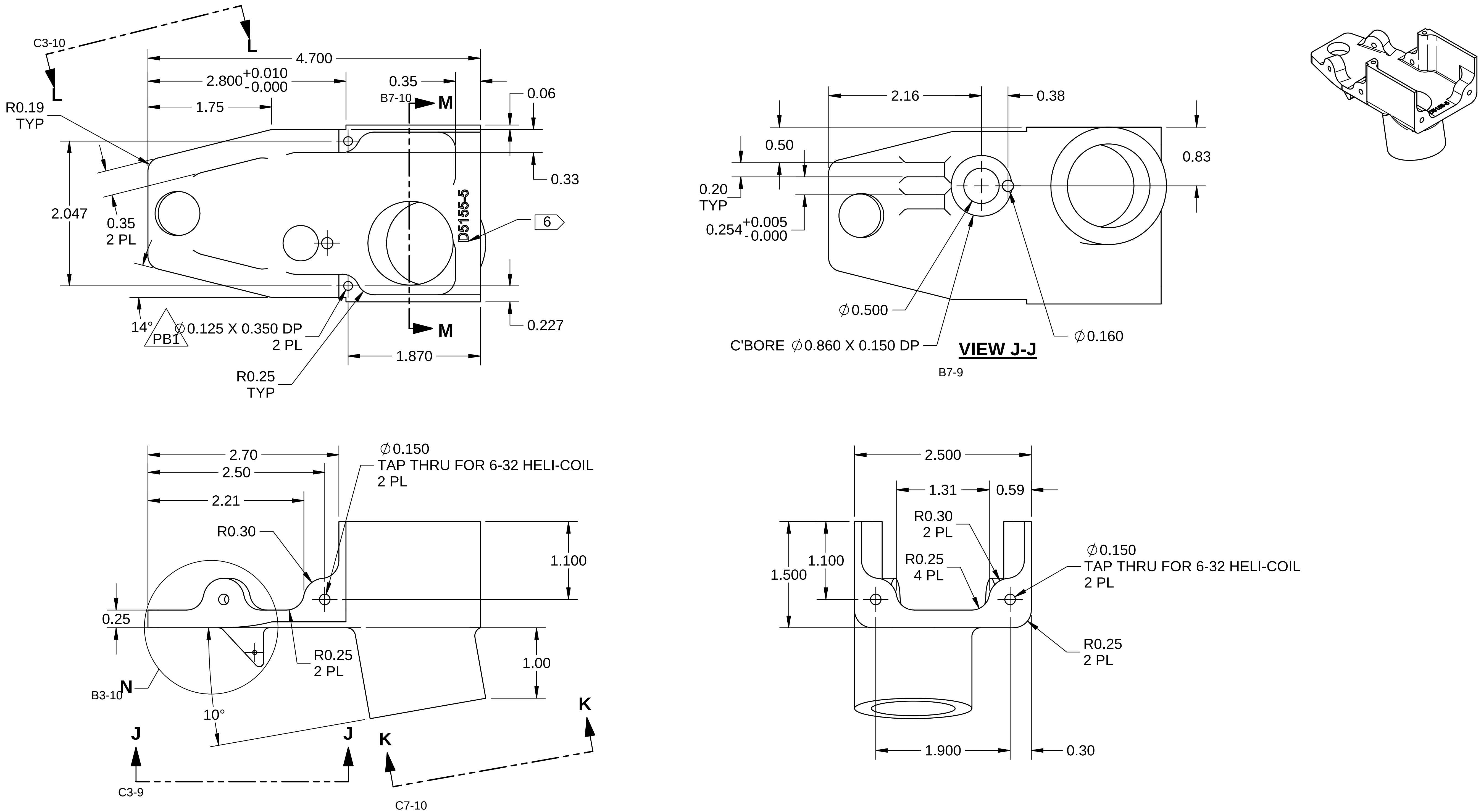
DESIGN	VS
DRAWN	VS
CHECKED	RF
MFG. APPR.	JFS
APPROVED	HS
DE APPR.	DS
DATE	15.05.21

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. D5155 — REV. PB1

SHEET 8 OF 14

TITLE: CO-PILOT COLLECTIVE HEAD — SCALE NTS



NOTES:
1) MATERIAL: 6061-T6/T651/T6511/T62 ALUMINUM BAR
PER QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221
REF DART SPEC M6061T6B
2) FINISH: NONE
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY PER QSI 044 6.3 IN THIS AREA TO MAX DEPTH
OF 0.010 WITH A MIN. TOOL RAD OF R0.010
7) WEIGHT: 0.45 lbs
8) UNDIMENSIONED FEATURES DEFINED BY D5155-5.SLDPRT

D5155-5 CO-PILOT COLLECTIVE HEAD (EAGLE SINGLE)

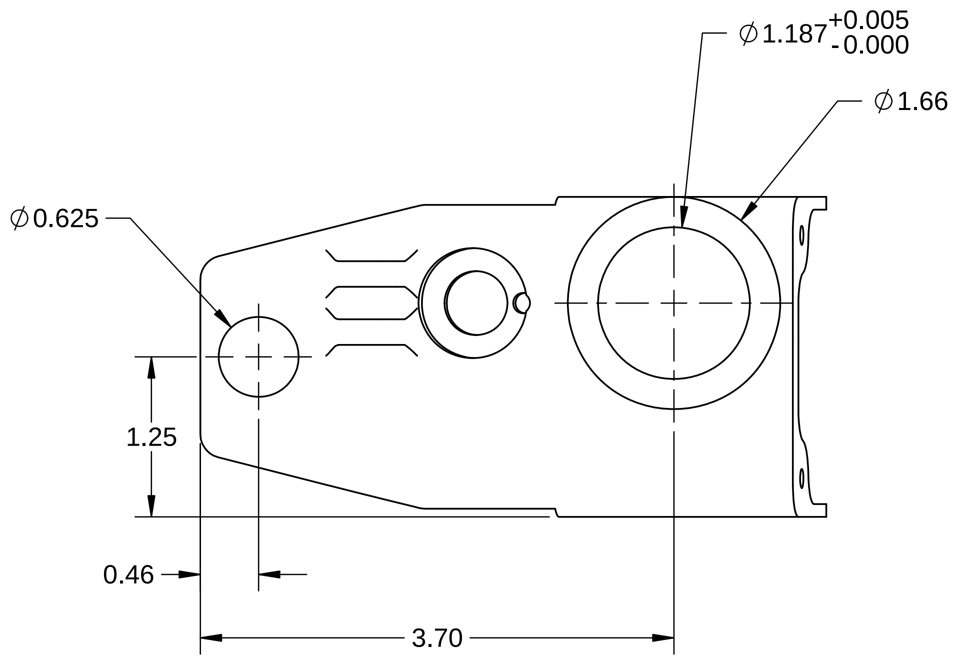
UNAPPROVED

DESIGN	VS
DRAWN	VS
CHECKED	RF
MFG. APPR.	JFS
APPROVED	HS
DE APPR.	DS
DATE	15.05.21

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

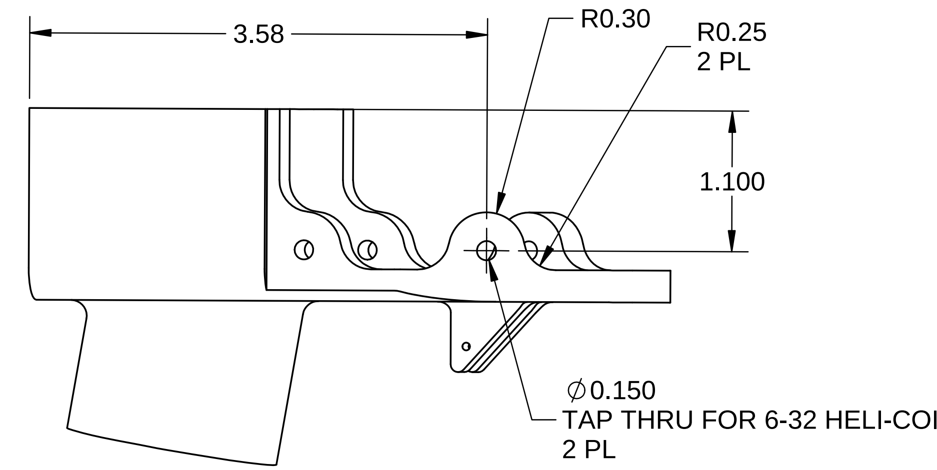
DRAWING NO. D5155 REV. PB1
SHEET 9 OF 14

TITLE CO-PILOT COLLECTIVE HEAD SCALE NTS



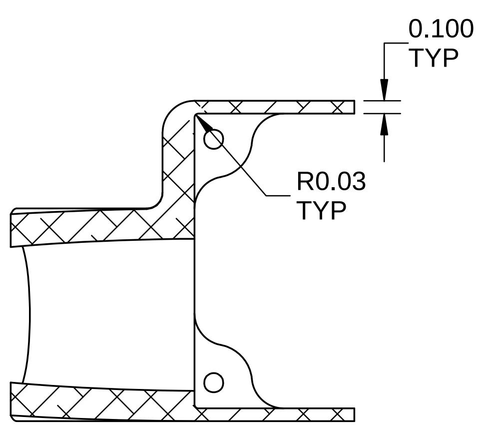
VIEW K-K

B6-9



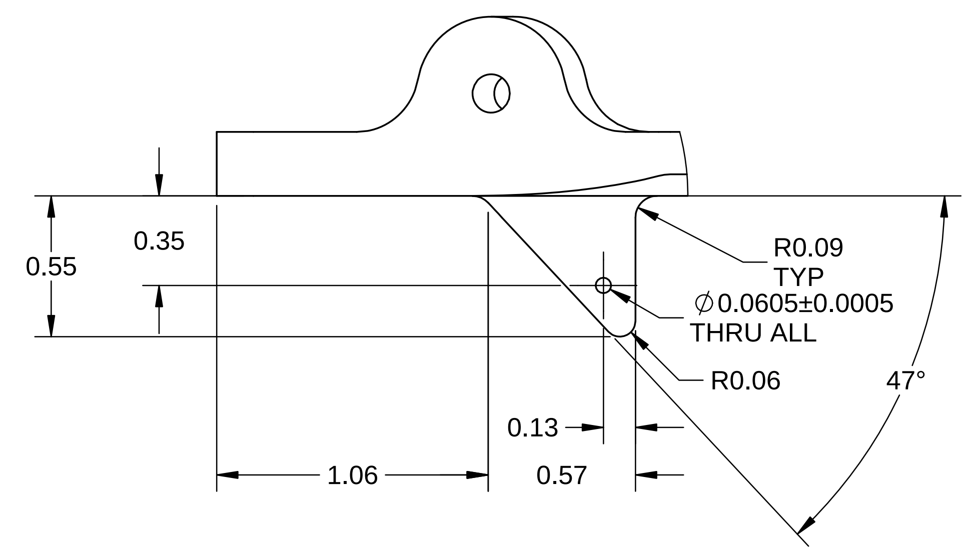
VIEW L-L

D7-9



SECTION M-M

D6-9



DETAIL N

B7-9

NOTES:
1) MATERIAL: N/A
2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: N/A
7) WEIGHT: N/A

D5155-5 CO-PILOT COLLECTIVE HEAD (EAGLE SINGLE)
DETAIL VIEWS

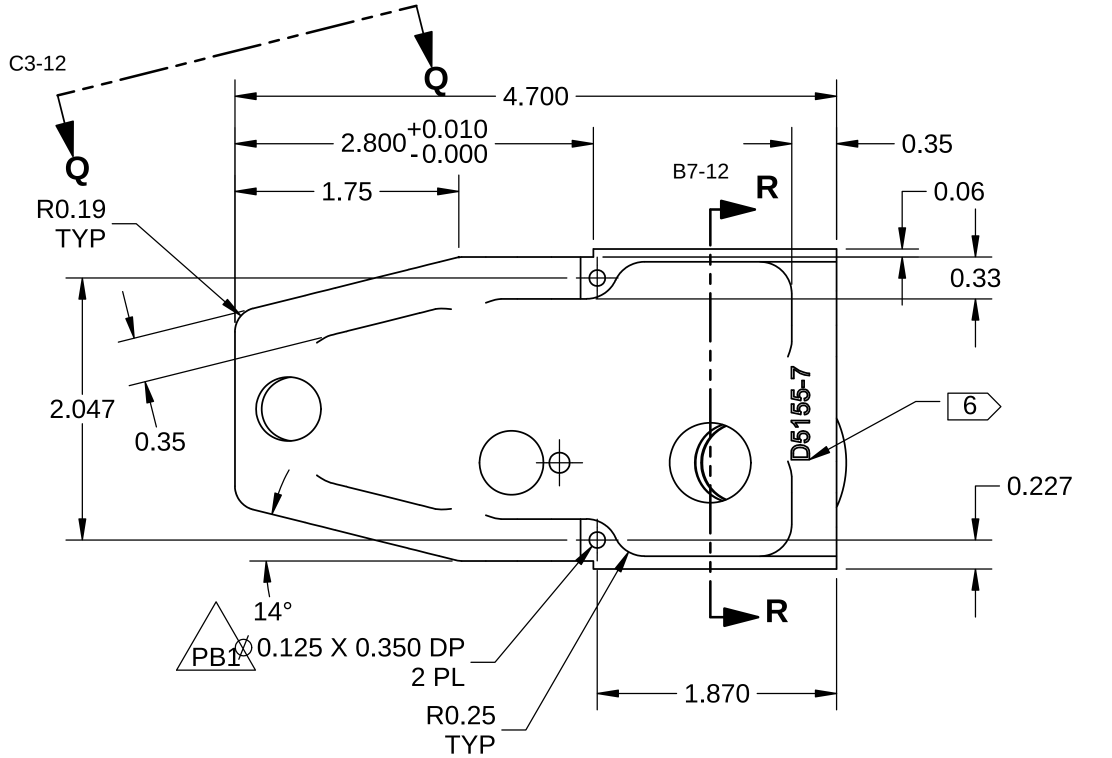
UNAPPROVED

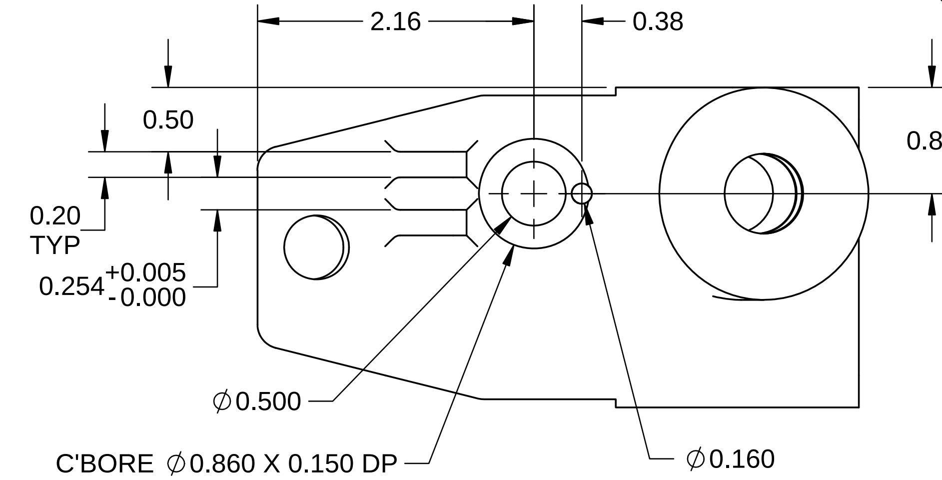
DESIGN	VS
DRAWN	VS
CHECKED	RF
MFG. APPR.	JFS
APPROVED	HS
DE APPR.	DS
DATE	15.05.21

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. D5155 — REV. PB1 — SHEET 10 OF 14

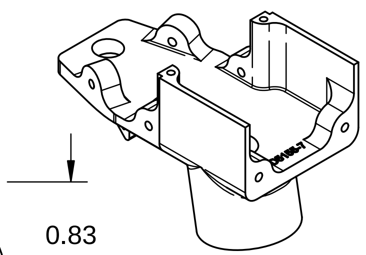
TITLE: CO-PILOT COLLECTIVE HEAD — SCALE NTS

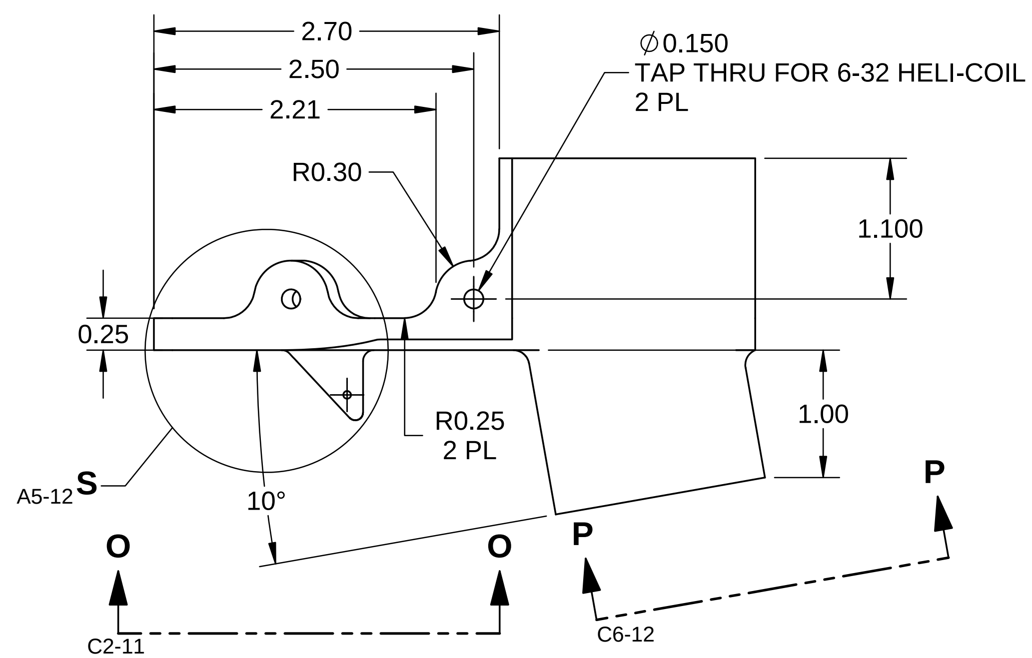


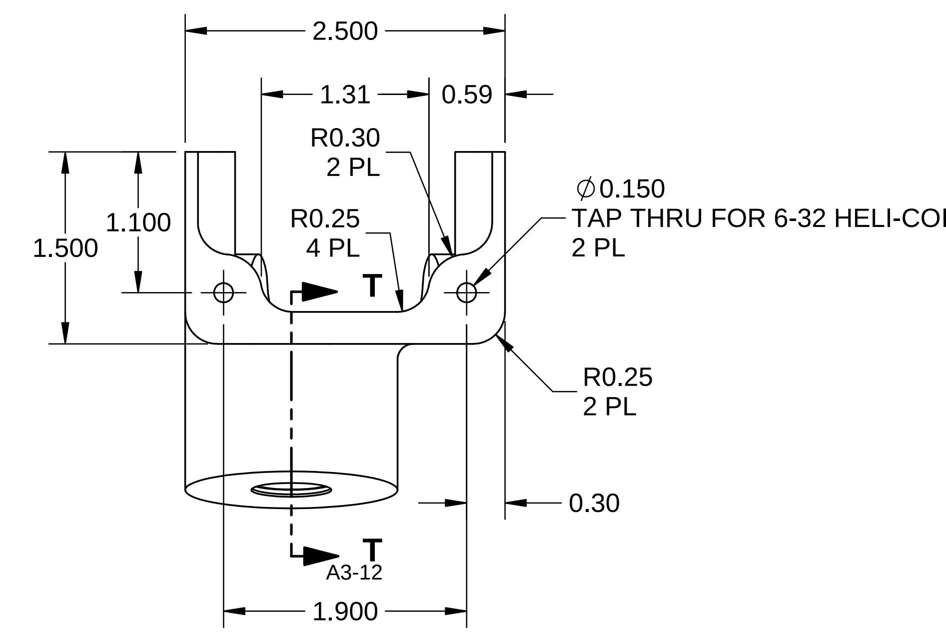


VIEW O-O

B7-11







NOTES:
1) MATERIAL: 6061-T6/T651/T6511/T62 ALUMINUM BAR
PER QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221
REF DART SPEC M6061T6B
2) FINISH: NONE
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY PER QSI 044 6.3 IN THIS AREA TO MAX DEPTH
OF 0.010 WITH A MIN. TOOL RAD OF R0.010
7) WEIGHT: 0.56 lbs
8) UNDIMENSIONED FEATURES DEFINED BY D5155-7.SLDPRT

D5155-7 CO-PILOT COLLECTIVE HEAD (205)

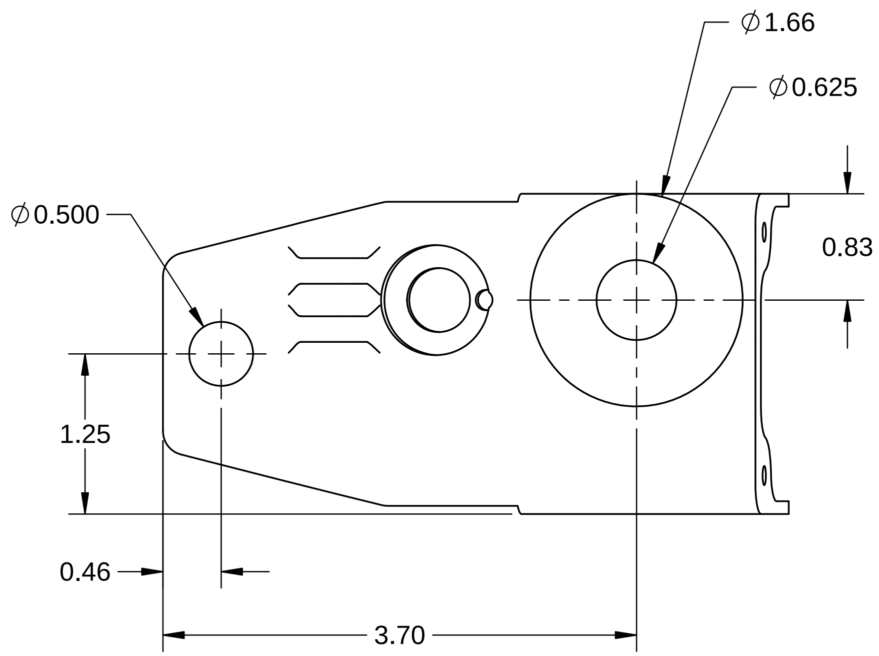
UNAPPROVED

DESIGN	VS
DRAWN	VS
CHECKED	RF
MFG. APPR.	JFS
APPROVED	HS
DE APPR.	DS
DATE	15.05.21

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

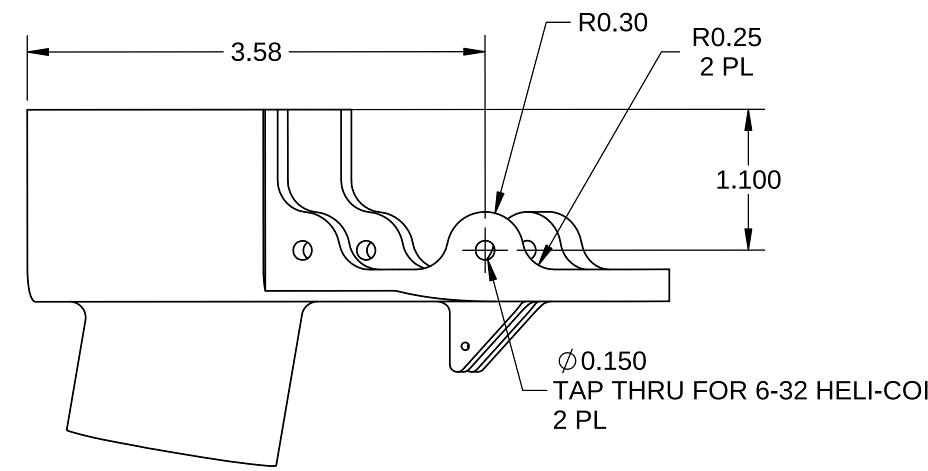
DRAWING NO. D5155 — REV. PB1 — SHEET 11 OF 14

TITLE: CO-PILOT COLLECTIVE HEAD — SCALE NTS



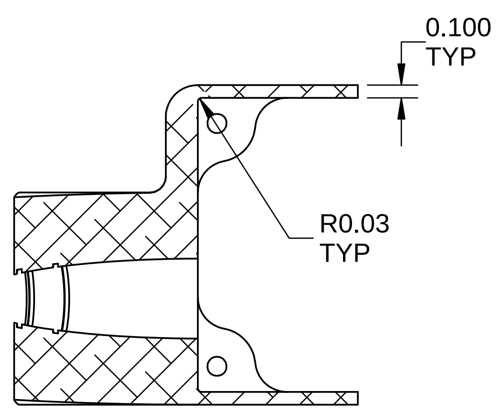
VIEW P-P

B5-11



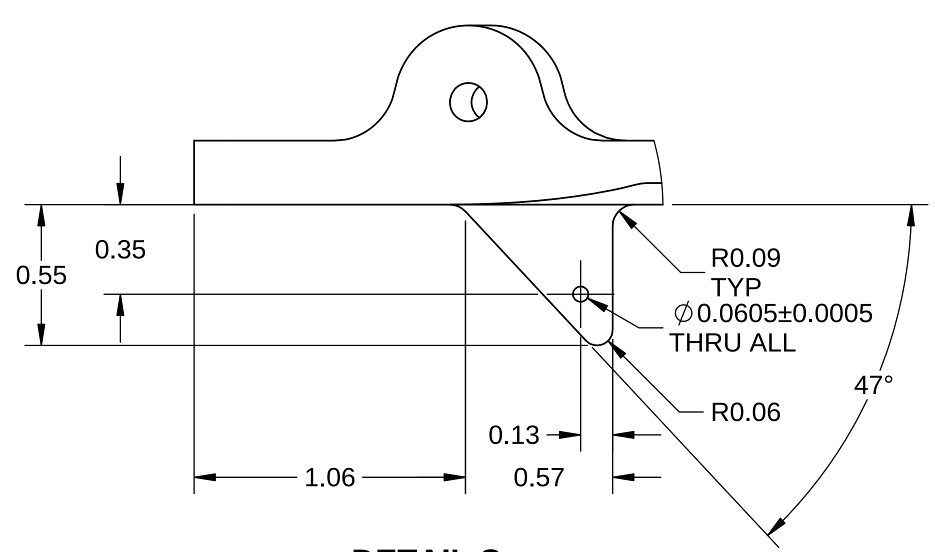
VIEW Q-Q

D7-11



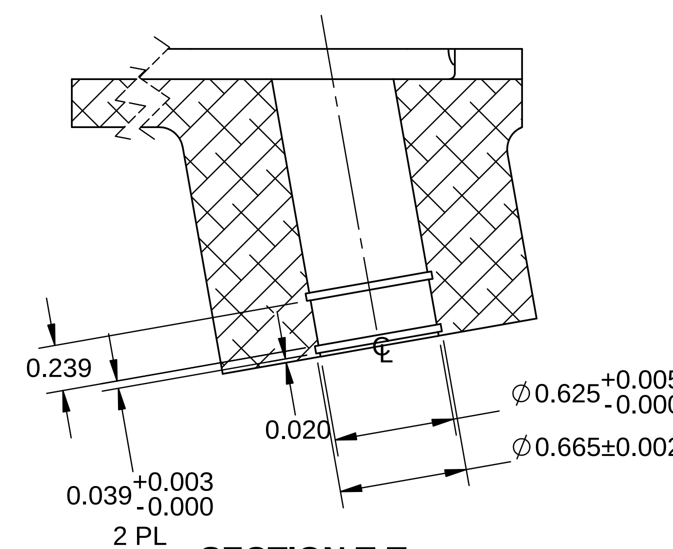
SECTION R-R

C6-11



DETAIL S

B6-11



SECTION T-T

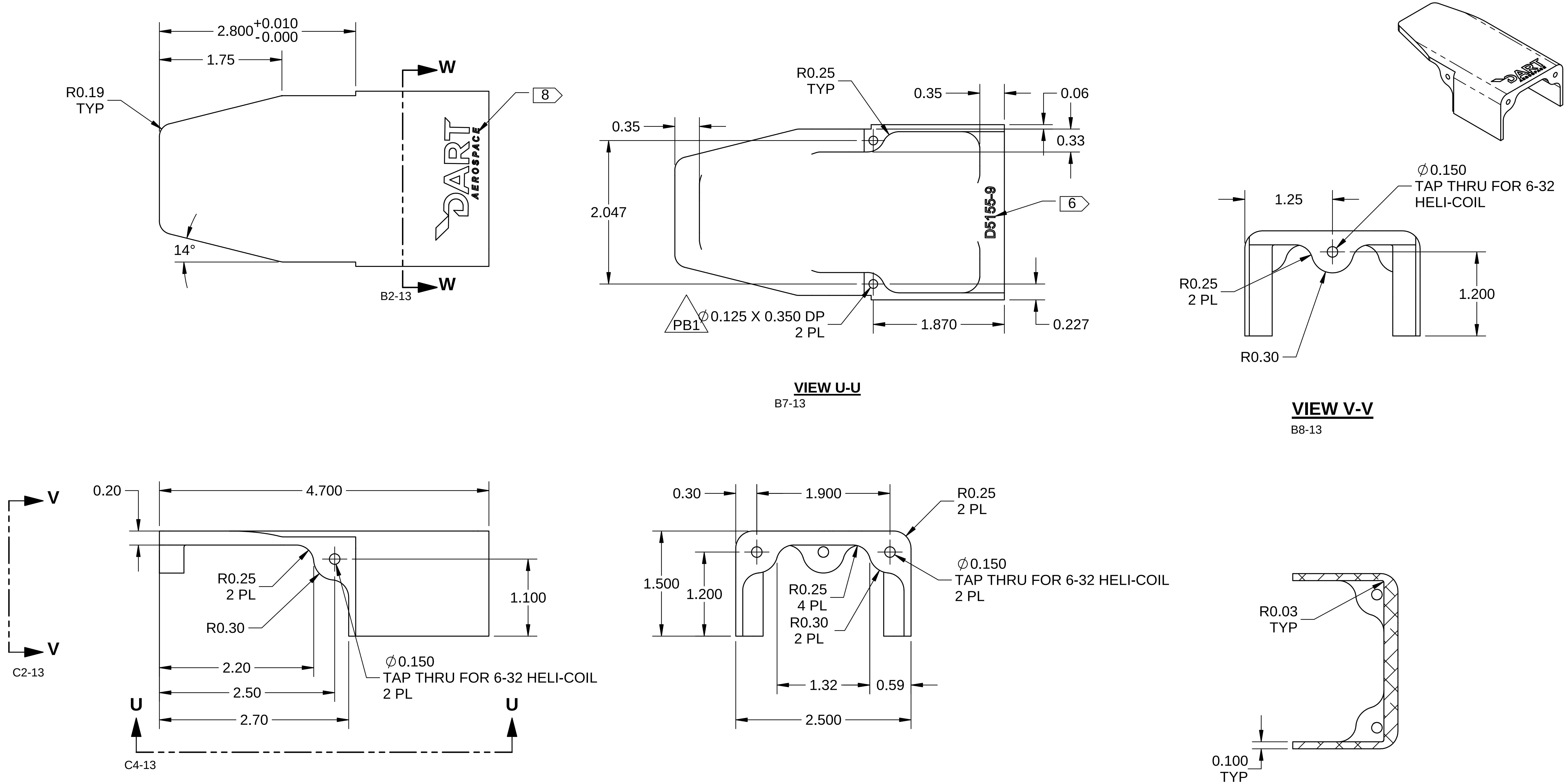
B2-11

NOTES:
1) MATERIAL: N/A
2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: N/A
7) WEIGHT: N/A

D5155-7 CO-PILOT COLLECTIVE HEAD (205)
DETAIL VIEWS

UNAPPROVED

DESIGN	VS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN	VS	
CHECKED	RF	DRAWING NO. D5155 — REV. PB1 — SHEET 12 OF 14
MFG. APPR.	JFS	
APPROVED	HS	TITLE: CO-PILOT COLLECTIVE HEAD — SCALE NTS
DE APPR.	DS	
DATE	15.05.21	



VIEW U-U
B7-13

VIEW V-V
B8-13

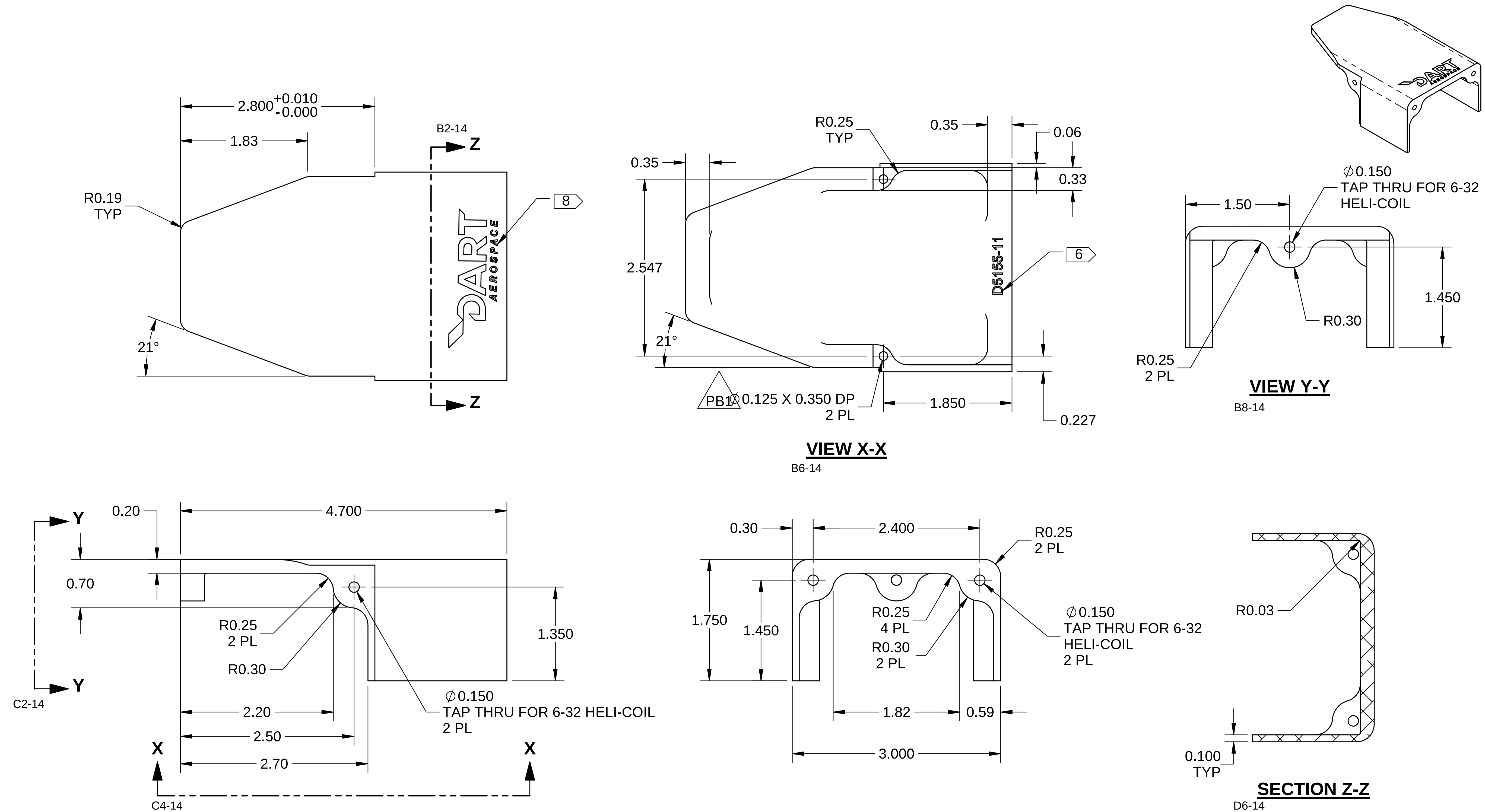
SECTION W-W
D6-13

NOTES:
1) MATERIAL: 6061-T6/T651/T6511/T62 ALUMINUM BAR
PER QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221
REF DART SPEC M6061T6B
PB1 2) FINISH: ANODIZE BLACK PER MIL-A-8625F TYPE I OR IB OR IC OR II
OR IIB CLASS 2
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY PER QSI 044 6.3 IN THIS AREA TO MAX DEPTH
OF 0.010 WITH A MIN. TOOL RAD OF R0.010
7) WEIGHT: 0.31 lbs
8) ENGRAVE "DART" LOGO AS SHOWN 0.003-0.005 DP
9) UNDIMENSIONED FEATURES DEFINED BY D5155-9.SLDPRT

D5155-9 CO-PILOT COLLECTIVE HEAD (205)

UNAPPROVED

DESIGN	VS	**DART AEROSPACE LTD** HAWKESBURY, ONTARIO, CANADA
DRAWN	VS	
CHECKED	RF	DRAWING NO. D5155 — REV. PB1
MFG. APPR.	JFS	SHEET 13 OF 14
APPROVED	HS	TITLE — SCALE NTS
DE APPR.	DS	CO-PILOT COLLECTIVE HEAD
DATE	15.05.21	



NOTES:

1) MATERIAL: 6061-T6/T651/T6511/T62 ALUMINUM BAR
PER QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221
REF DART SPEC M6061T6B

PB1 2) FINISH: ANODIZE BLACK PER MIL-A-8625F TYPE I OR IB OR IC OR II
OR IIB CLASS 2

3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY PER QSI 044 6.3 IN THIS AREA TO MAX DEPTH
OF 0.010 WITH A MIN. TOOL RAD OF R0.010
7) WEIGHT: 0.36 lbs
8) ENGRAVE "DART" LOGO AS SHOWN 0.003-0.005 DP
8) UNDIMENSIONED FEATURES DEFINED BY D5155-11.SLDPRT

D5155-11 CO-PILOT COLLECTIVE HEAD (212)

UNAPPROVED

DESIGN	VS
DRAWN	VS
CHECKED	RF
MFG. APPR.	JFS
APPROVED	HS
DE APPR.	DS
DATE	15.05.21

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. D5155 — REV. PB1 — SHEET 14 OF 14

TITLE: CO-PILOT COLLECTIVE HEAD — SCALE NTS